

Application Serial No. 09/502,810
Amendment dated October 17, 2003
Reply to Office Action dated April 25, 2003

AMENDMENTS TO THE CLAIMS

Claims 1-23 (previously cancelled).

Claims 24-44 (cancelled).

Claim 45 (new): A method for use in deriving chemical structural information, the method comprising:

analyzing an input name to mark potential name fragment boundaries;

during scanning of the input name, counting enclosing marks in the input name;

during scanning of the input name, monitoring depths of the enclosing marks in the input name;

during scanning of the input name, examining hyphens in the input name;

scanning the input name for the presence of a predetermined text string;

if the predetermined text string is found, replacing the predetermined text string with another predetermined text string;

if at least a first condition is met, prepending a portion to an output buffer; and

if at least a second condition is met, prepending the portion together with a separation character to the output buffer.

Claim 46 (new): The method of claim 45, further comprising:

during scanning of the input name, examining hyphens in the input name.

Claim 47 (new): The method of claim 45, further comprising:

if a hyphen is immediately followed by a space character and is not immediately preceded by a comma, a plus, or a slash character, converting the hyphen to an @ sign.

Claim 48 (new): The method of claim 45, further comprising:

taking an action on the input name within a temporary buffer that does not change the length of the buffer.

Claim 49 (new): The method of claim 45, further comprising:

scanning the input name for any single one of a set of characters that is immediately followed by another character but that is not preceded by a third character.

Claim 50 (new): The method of claim 45, further comprising:

if a predetermined sequence is found, converting a predetermined character that immediately follows the sequence into another predetermined character.